

Rabbit anti-Human NDUFS6 Polyclonal Antibody | anti-NDUFS6 antibody

Anti-NDUFS6 Antibody, Rabbit Polyclonal

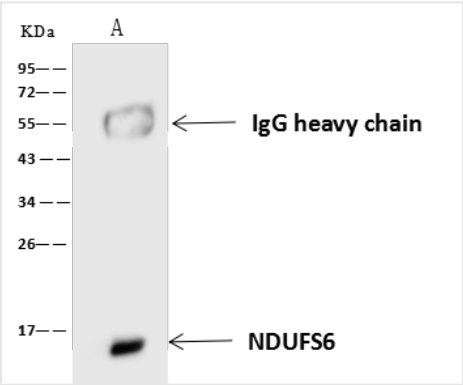
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256757	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

NDUFS6; Polyclonal Antibody; Anti-NDUFS6 Antibody; Rabbit Polyclonal; NDUFS6 Antibody; Rabbit PAb; Antigen Affinity Purified; NADH dehydrogenase (ubiquinone) Fe-S protein 6; 13kDa (NADH-coenzyme Q reductase); Anti-CI-13kA Antibody; Anti-CI-13kD-A Antibody; Anti-CI13KDA Antibody; anti-NDUFS6 antibody

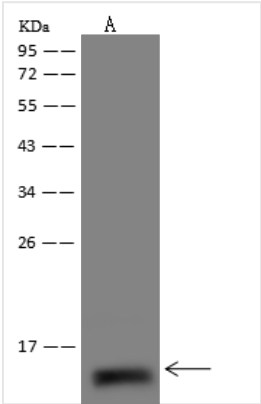
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human NDUFS6
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-NDUFS6 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human NDUFS6 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human NDUFS6 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.



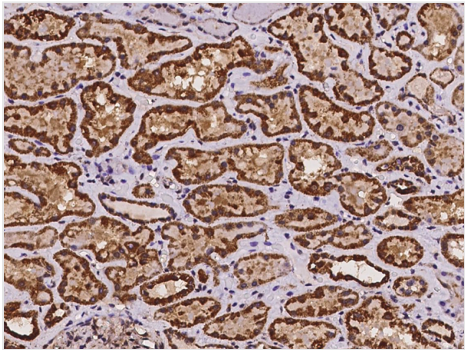
IP (Immunoprecipitation)

NDUFS6 was immunoprecipitated using: Lane A: 0.5 mg HepG2 Whole Cell Lysate 4 uL anti-NDUFS6 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-NDUFS6 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 13 kDa. Observed band size: 13 kDa.



WB (Western Blot)

Anti-NDUFS6 rabbit polyclonal antibody at 1:500 dilution. Lane A: HepG2 Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 13 kDa. Observed band size: 13 kDa.



IHC (Immunohistochemistry)

Immunochemical staining of human NDUFS6 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-NDUFS6 antibody	NDUFS6 (NADH: Ubiquinone Oxidoreductase Subunit S6) is a Protein Coding gene. The NDUFS6 gene, located on 5p15.33, is conserved in chimpanzee, Rhesus monkey, cow, mouse, and rat, etc. NDUFS6 belongs to the complex I NDUFS6 subunit family. This gene encodes a subunit of the NADH: ubiquinone oxidoreductase (complex I), which is the first enzyme complex in the electron transport chain of mitochondria. This complex functions in the transfer of electrons from NADH to the respiratory chain. NDUFS6 encodes a 13 kiloDaltons subunit, which is part of the peripheral arm of complex I and is localized in the iron-sulfur fraction. Diseases associated with NDUFS6 include Mitochondrial Complex I Deficiency, Nuclear Type 9, and Mitochondrial Complex I Deficiency, Nuclear Type 1. Among its related pathways are GABAergic synapse and Respiratory electron transport, ATP synthesis by chemiosmotic coupling, and heat production by uncoupling proteins.
References	Rouzier C, et al. (2019) Ndufs6 related leigh syndrome: A case report and review of the literature. J Hum Genet 64 (7): 637-645. Kirby DM, et al. (2004) Ndufs6 mutations are a novel cause of lethal neonatal mitochondrial complex I deficiency. J Clin Invest 114 (6): 837-845. Ke BX, et al. (2012) Tissue-specific splicing of an ndufs6 gene-trap insertion generates a mitochondrial complex I deficiency-specific cardiomyopathy. Proc Natl Acad Sci U S A 109 (16): 6165-6170.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.